## SIEMENS

## Data sheet

## 6EP3336-7SB00-3AX0



## SITOP PSU6200/1AC/24VDC/20A

SITOP PSU6200 24 V/20 A stabilized power supply input: 120 - 230 V AC (110 - 240 V DC) output: 24 V DC/20 A with diagnostic interface

Input	
type of the power supply network	1-phase AC or DC
supply voltage at AC	
minimum rated value	120 V
<ul> <li>maximum rated value</li> </ul>	240 V
<ul> <li>initial value</li> </ul>	85 V
<ul> <li>full-scale value</li> </ul>	264 V
supply voltage	
• at DC	110 240 V
input voltage	
• at DC	85 275 V
design of input wide range input	Yes
overvoltage overload capability	300 V AC for 30 s
operating condition of the mains buffering	at Vin = 240 V
buffering time for rated value of the output current in the event of power failure minimum	25 ms
operating condition of the mains buffering	at Vin = 240 V
line frequency	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
line frequency	47 63 Hz
input current	
<ul> <li>at rated input voltage 120 V</li> </ul>	4.3 A
• at rated input voltage 240 V	2.3 A
current limitation of inrush current at 25 °C maximum	12 A
fuse protection type	10 A
• in the feeder	Circuit breaker from 6 A characteristic B to 16 A characteristic C or circuit breaker 3RV2011-1HA10 (setting 8A) or 3RV2711-1HD10 (UL 489)
Output	
voltage curve at output	Controlled, isolated DC voltage
number of outputs	1
output voltage at DC rated value	24 V
output voltage	
at output 1 at DC rated value	24 V
relative overall tolerance of the voltage	3 %
relative control precision of the output voltage	
<ul> <li>on slow fluctuation of input voltage</li> </ul>	0.2 %
<ul> <li>on slow fluctuation of ohm loading</li> </ul>	0.2 %
residual ripple	
• maximum	80 mV
• typical	50 mV

voltago poak	
voltage peak <ul> <li>maximum</li> </ul>	100 mV
<ul> <li>maximum</li> <li>typical</li> </ul>	60 mV
adjustable output voltage	24 28 V
product function output voltage adjustable	Yes
type of output voltage setting	via potentiometer; max. 480 W (576 W up to 45°C)
display version for normal operation	Green LED for 24 V OK
type of signal at output	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC
	O.K. or diagnostic interface
behavior of the output voltage when switching on	Overshoot of Vout approx. 3 %
response delay maximum	0.5 s
voltage increase time of the output voltage	
• typical	100 ms
output current	
rated value	20 A
• rated range	0 20 A; 24 A up to +45°C; +60 +70 °C: Derating 3%/K
supplied active power typical	480 W
short-term overload current	30 A
<ul> <li>on short-circuiting during the start-up typical</li> <li>at short-circuit during operation typical</li> </ul>	30 A 30 A
product feature	
product reactive     parallel switching of outputs	can be set with DIP switch
bridging of equipment	Yes; switchable characteristic
number of parallel-switched equipment resources for	2
increasing the power	
Efficiency	
efficiency in percent	95.5 %
power loss [W]	
<ul> <li>at rated output voltage for rated value of the output</li> </ul>	25 W
current typical	0.0.101
during no-load operation maximum	2.6 W
Closed-loop control	
relative control precision of the output voltage at load step	3 %
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	
of resistive load 10/90/10 % typical	
of resistive load 10/90/10 % typical setting time	
of resistive load 10/90/10 % typical setting time • load step 10 to 90% typical	0.5 ms
of resistive load 10/90/10 % typical setting time	
of resistive load 10/90/10 % typical setting time <ul> <li>load step 10 to 90% typical</li> <li>load step 90 to 10% typical</li> <li>maximum</li> </ul>	0.5 ms
of resistive load 10/90/10 % typical setting time • load step 10 to 90% typical • load step 90 to 10% typical • maximum Protection and monitoring	0.5 ms 0.5 ms 1 ms
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of resistive load 10/90/10 % typical setting time • load step 10 to 90% typical • load step 90 to 10% typical • maximum Protection and monitoring design of the overvoltage protection	0.5 ms 0.5 ms 1 ms < 32 V
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of resistive load 10/90/10 % typical setting time • load step 10 to 90% typical • load step 90 to 10% typical • maximum Protection and monitoring design of the overvoltage protection • typical property of the output short-circuit proof	0.5 ms 0.5 ms 1 ms < 32 V 30 A Yes
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	N-
• FM registration	No
type of certification CB-certificate	Yes
certificate of suitability	
• EAC approval	Yes
C-Tick	No
<ul> <li>Regulatory Compliance Mark (RCM)</li> </ul>	No
certificate of suitability shipbuilding approval	Yes
shipbuilding approval	ABS; in process: DNV
Marine classification association	
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	Yes
<ul> <li>French marine classification society (BV)</li> </ul>	No
• DNV GL	No
<ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>	No
<ul> <li>Nippon Kaiji Kyokai (NK)</li> </ul>	No
EMC	
standard	
<ul> <li>for emitted interference</li> </ul>	EN 55022 Class B
<ul> <li>for mains harmonics limitation</li> </ul>	EN 61000-3-2
<ul> <li>for interference immunity</li> </ul>	EN 61000-6-2
environmental conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-30 +70 °C; with natural convection a monotonically increasing start-
	up from -25 °C, safe start-up from -40 °C
<ul> <li>during transport</li> </ul>	-40 +85 °C
<ul> <li>during storage</li> </ul>	-40 +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
Mechanics	
type of electrical connection	Push-in terminals
● at input	L1/+, L2/N/-, PE:PushIn for 0.5 4 mm <sup>2</sup> single-core/finely stranded
● at output	+1, +2, -1, -2, -3: PushIn for 0.5 6 mm <sup>2</sup>
<ul> <li>for auxiliary contacts</li> </ul>	13, 14 (alarm signal): 1 push-in terminal each for 0.2 1.5 mm <sup>2</sup>
width of the enclosure	70 mm
height of the enclosure	135 mm
depth of the enclosure	155 mm
required spacing	
• top	45 mm
bottom	45 mm
• left	0 mm
• right	0 mm
net weight	1.5 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
electrical accessories	Buffer module, redundancy module
mechanical accessories	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

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